

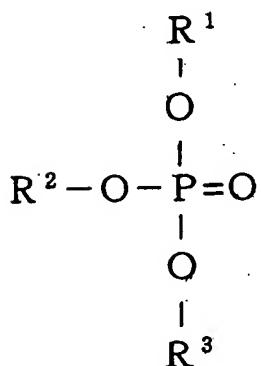
Preliminary Amendment
Attorney Docket No. 052483

AMENDMENTS TO THE CLAIMS

Listing of Claims

The following listing of claims replaces all prior versions and listings of claims in the application.

1. (Original): An agent for reducing vapor pressure of 1,1,1,3,3-pentafluoropropane, comprising at least one compound represented by the following formula (1):



wherein R¹, R² and R³ represent a straight-chain alkyl group or branched-chain alkyl group having 2 to 5 carbon atoms, R¹, R² and R³ may be the same or different, with the proviso that the compound wherein R¹, R² and R³ are all ethyl groups is excluded, the compound having a total acid content of 650 mg KOH or less as measured in accordance with MIL H-19457.

2. (Currently amended): The agent according to claim 1, wherein the compound represented by formula (1) is at least one species selected from the group consisting of poly tri-n-propyl phosphate, tri-n-butyl phosphate, tri-n-pentyl phosphate, tri-iso-propyl phosphate, tri-iso-butyl phosphate, tri-sec-butyl phosphate, tri-tert-butyl phosphate, tri-iso-pentyl phosphate, tri-sec-pentyl phosphate, trineopentyl phosphate, ethyldi(n-propyl) phosphate, ethyldi(iso-propyl)

Preliminary Amendment
Attorney Docket No. **052483**

phosphate, ethyldi(n-butyl) phosphate, ethyldi(iso-butyl) phosphate, ethyldi(sec-butyl) phosphate, ethyldi(tert-butyl) phosphate, ethyldi(n-pentyl) phosphate, ethyldi(iso-pentyl) phosphate, ethyldi(sec-pentyl) phosphate, ethyldi(neopentyl) phosphate, diethyl-n-propyl phosphate, diethyl-n-butyl phosphate, diethyl-iso-butyl phosphate, diethyl-sec-butyl phosphate, diethyl-tert-butyl phosphate, diethyl-n-pentyl phosphate, diethyl-iso-pentyl phosphate, diethyl-sec-pentyl phosphate, diethylneopentyl phosphate, n-propyldi(iso-propyl) phosphate, di(n-propyl)iso-propyl phosphate, n-propyldi(n-butyl) phosphate, di(n-propyl)n-butyl phosphate, n-propyldi(iso-butyl) phosphate, di(n-propyl)iso-butyl phosphate, n-propyldi(sec-butyl) phosphate, di(n-propyl)sec-butyl phosphate, n-propyldi(tert-butyl) phosphate, di(n-propyl)tert-butyl phosphate, n-propyldi(n-pentyl) phosphate, di(n-propyl)n-pentyl phosphate, n-propyldi(iso-pentyl) phosphate, di(n-propyl)iso-pentyl phosphate, n-propyldi(sec-pentyl) phosphate, di(n-propyl)sec-pentyl phosphate, n-propyldi(neopentyl) phosphate, di(n-propyl)neopentyl phosphate, iso-propyldi(n-butyl) phosphate, di(iso-propyl)n-butyl phosphate, iso-propyldi(iso-butyl) phosphate, di(iso-propyl)iso-butyl phosphate, iso-propyldi(sec-butyl) phosphate, di(iso-propyl)sec-butyl phosphate, iso-propyldi(tert-butyl) phosphate, di(iso-propyl)tert-butyl phosphate, iso-propyldi(n-pentyl) phosphate, di(iso-propyl)n-pentyl phosphate, iso-propyldi(iso-pentyl) phosphate, di(iso-propyl)iso-pentyl phosphate, iso-propyldi(sec-pentyl) phosphate, di(iso-propyl)sec-pentyl phosphate, iso-propyldi(neopentyl) phosphate, di(iso-propyl)neopentyl phosphate, n-butyldi(iso-butyl) phosphate, di(n-butyl)iso-butyl phosphate, n-butyldi(sec-butyl) phosphate, di(n-butyl)sec-butyl phosphate, iso-butyldi(sec-butyl) phosphate, and di(iso-butyl)sec-butyl phosphate.

Preliminary Amendment
Attorney Docket No. **052483**

3. (Original): The agent according to claim 1, wherein the compound represented by formula (1) is one species selected from the group consisting of tri-n-propyl phosphate, tri-n-butyl phosphate, tri-iso-propyl phosphate, tri-iso-butyl phosphate, tri-sec-butyl phosphate, ethyldi(n-propyl) phosphate, ethyldi(n-butyl) phosphate, ethyldi(iso-butyl) phosphate, ethyldi(sec-butyl) phosphate, n-propyldi(iso-propyl) phosphate, di(n-propyl)iso-propyl phosphate, n-propyldi(n-butyl) phosphate, di(n-propyl)n-butyl phosphate, n-propyldi(iso-butyl) phosphate, di(n-propyl)iso-butyl phosphate, n-propyldi(sec-butyl) phosphate, di(n-propyl)sec-butyl phosphate, iso-propyldi(n-butyl) phosphate, di(iso-propyl)n-butyl phosphate, iso-propyldi(iso-butyl) phosphate, di(iso-propyl)iso-butyl phosphate, iso-propyldi(sec-butyl) phosphate, di(iso-propyl)sec-butyl phosphate, n-butyldi(iso-butyl) phosphate, di(n-butyl)iso-butyl phosphate, n-butyldi(sec-butyl) phosphate, di(n-butyl)sec-butyl phosphate, iso-butyldi(sec-butyl) phosphate, and di(iso-butyl)sec-butyl phosphate.

4. (Original): A premix composition for producing polyurethane foam, comprising a polyol, a curing catalyst, 1,1,1,3,3-pentafluoropropane, a foaming stabilizer, and the vapor pressure reducing agent of claim 1.

5. (Original): The premix composition for producing polyurethane foam according to claim 4, further comprising at least one supplemental vapor pressure reducing agent selected from the group consisting of carbonates, ketones, esters, ethers, acetals, nitriles, amides, sulfoxides, and sulfolanes.

Preliminary Amendment
Attorney Docket No. **052483**

6. (Original): The premix composition for producing polyurethane foam according to claim 5, wherein the supplemental vapor pressure reducing agent is at least one compound selected from the group consisting of dimethylsulfoxide, tetrahydrofuran, 1,3-dioxolane, and dimethoxymethane.

7. (Original): The premix composition for producing polyurethane foam according to claim 4, further comprising a supplemental foaming agent selected from the group consisting of a hydrocarbon foaming agent, a fluorine-containing hydrocarbon foaming agent, and a fluorine-containing ether foaming agent.

8. (Original): The premix composition for producing polyurethane foam according to claim 7, wherein the supplemental foaming agent is at least one compound selected from the group consisting of n-pentane, isopentane, cyclopentane, 2-methylpentane, 3-methylpentane, n-hexane, cyclohexane, 1,1,1,3,3-pentafluorobutane, methoxy-heptafluoropropane, and methoxy-1,1,2,2-tetrafluoroethane.

9. (Original): The premix composition for producing polyurethane foam according to claim 4, further comprising water.

10. (Original): A method for producing a polyurethane foam, comprising the step of mixing a polyisocyanate with the premix composition according to claim 4 to form a polyurethane foam.

Preliminary Amendment
Attorney Docket No. **052483**

11. (Original): The method for producing a polyurethane foam according to claim 10, wherein the premix composition for producing polyurethane foam further comprises at least one supplemental vapor pressure reducing agent selected from the group consisting of carbonates, ketones, esters, ethers, acetals, nitriles, amides, sulfoxides, and sulfolanes.

12. (Original): The method for producing a polyurethane foam according to claim 11, wherein the supplemental vapor pressure reducing agent is at least one compound selected from the group consisting of dimethylsulfoxide, tetrahydrofuran, 1,3-dioxolane, and dimethoxymethane.

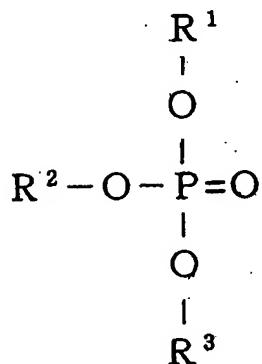
13. (Original): The method for producing a polyurethane foam according to claim 10, wherein the premix composition for producing polyurethane foam further comprises at least one supplemental foaming agent selected from the group consisting of a hydrocarbon foaming agent, a fluorine-containing hydrocarbon foaming agent, and a fluorine-containing ether foaming agent.

14. (Original): The method for producing a polyurethane foam according to claim 13, wherein the supplemental foaming agent is at least one compound selected from the group consisting of n-pentane, isopentane, cyclopentane, 2-methylpentane, 3-methylpentane, n-hexane, cyclohexane, 1,1,1,3,3-pentafluorobutane, methoxy-heptafluoropropane, and methoxy-1,1,2,2-tetrafluoroethane.

Preliminary Amendment
Attorney Docket No. 052483

15. (Original): The method for producing a polyurethane foam according to claim 10, wherein the premix composition for producing polyurethane foam further comprises water.

16. (Original): A foaming composition comprising: (A) 1,1,1,3,3-pentafluoropropane; and (B) at least one compound represented by the following formula (1):

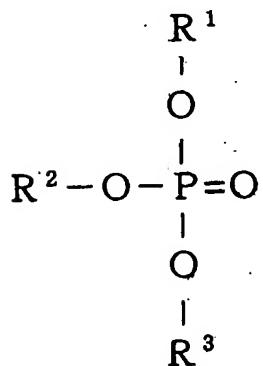


wherein R¹, R² and R³ represent a straight-chain alkyl group or branched-chain alkyl group having 2 to 5 carbon atoms, R¹, R² and R³ may be the same or different, with the proviso that the compound wherein R¹, R² and R³ are all ethyl groups is excluded, the compound having a total acid content of 650 mg KOH or less as measured in accordance with MIL H-19457.

17. (Original): A 1,1,1,3,3-pentafluoropropane vapor pressure reducing composition, comprising:

a compound represented by the following formula (1):

Preliminary Amendment
Attorney Docket No. 052483



wherein R¹, R² and R³ represent a straight-chain alkyl group or branched-chain alkyl group having 2 to 5 carbon atoms, R¹, R² and R³ may be the same or different, with the proviso that the compound wherein R¹, R² and R³ are all ethyl groups is excluded, the compound having a total acid content of 650 mg KOH or less as measured in accordance with MIL H-19457; and at least one supplemental vapor pressure reducing agent selected from the group consisting of carbonates, ketones, esters, ethers, acetals, nitriles, amides, sulfoxides, and sulfolanes.

18. (Original): The composition according to claim 17, wherein the supplemental vapor pressure reducing agent is at least one compound selected from the group consisting of dimethylsulfoxide, tetrahydrofuran, 1,3-dioxolane, and dimethoxymethane.

19. (Original): The composition according to claim 17, wherein the supplemental vapor pressure reducing agent is contained in an amount of 0.1 to 100 parts by weight per 100 parts by weight of the compound represented by formula (1).